# Journal of Surgical Oncology

## Table of Contents

Volume 89, Number 1, January 1, 2005

**Merkel Cell Carcinoma: Changing Incidence Trends**
Nicole C. Hodgson 1
*Merkel cell cancer of the skin is significantly increasing in incidence. Further etiologic studies addressing this increase are warranted.*

**Commentary: The Merkel Cell Carcinoma: A 50-Year Retrospect**
Robert A. Schwartz and W. Clark Lambert 5

**Initial Metastatic, Including Micrometastatic, Sites of Lymph Nodes in Esophageal Squamous Cell Carcinoma**
Shoji Natsugoe, Masataka Matsumoto, Hiroshi Okumura, Saburo Nakashima, Hiroshi Higashi, Yoshikazu Uenosono, Katsuhiko Ehi, Sumiya Ishigami, Sonshin Takao, and Takashi Aikou 6
*Analysis of the location of solitary lymph node metastasis and micrometastasis is useful when performing less invasive surgery in patients with esophageal carcinoma.*

**Usefulness of a Solid-State Gamma Camera for Sentinel Node Identification in Patients With Breast Cancer**
Kazuyoshi Motomura, Atsushi Noguchi, Terumi Hashizume, Yoshihisa Hasegawa, Yoshifumi Komoike, Hideo Inaji, Toshihide Saida, and Hiroki Koyama 12
*The solid-state gamma camera is useful for pre- and intra-operative identification of sentinel nodes in breast cancer. Solid-state gamma camera compensates for the gamma probe when the gamma probe cannot identify some sentinel nodes because of the shine through effect, and avoids leaving the residual sentinel nodes behind the axilla intra-operatively.*

**Intraperitoneal Heated Chemotherapy Affects Healing of Experimental Colonic Anastomosis: An Animal Study**
V. Makrin, D. Lev-Chelouche, E. Even Sapir, H. Paran, M. Rabau, and M. Gutman 18
*The effect of heated intraperitoneal chemotherapy on anastomotic healing was tested in rats. We found that it was detrimental, especially during the early postoperative period. This may cause anastomotic failure and morbidity.*

**Breast Cancer in Women With HIV/AIDS: Report of Five Cases With a Review of the Literature**
Soji F. Oluwole, Ayoola O. Ali, Zahra Shafaee, and Hector A. DePaz 23
*A review of 305 breast cancer patients reveals an incidence of 1.6% of breast cancer associated with HIV infection. The median age, disease stage at presentation, and survival rate of breast cancer patients is not affected by HIV infection.*

**Review Article: Chondromyxoid Fibromas: A Study of 10 Cases**
Saral S. Desai, Nirmala A. Jambhekar, Sagarika Samanthray, Nikhil H. Merchant, Ajay Puri, and Manish Agarwal 28

**How I Do It: A Simple Technique of Raising the Pectoralis Major Myocutaneous Flap Along the Deltopectoral Groove**
Sajid S. Qureshi, Devendra Chaukar, and Anil K. Dcruz 32

**How I Do It: A Useful Technique of Reinforcing Mucosal Sutures After Segmental Mandibulectomy With Primary Closure Using Levator Scapulae Muscle**
Sajid S. Qureshi, Devendra A. Chaukar, and Anil K. Dcruz 34

**How I Do It: Preassembled Method for Insertion of Ommaya Reservoir**
Rob D. Dickerman and Mark B. Eisenberg 36

**Use of Transportal Balloon Catheter Occlusion of the Portal Triad in Prevention of Bleeding During Liver Resection**
Meirav Sarely (Israelashvili), Douglas B. Zippel, Moshe Koller, Adrian Valeanu, Danny Scott, Shlomo Ayalon, Gur Y. Ben Ari, and Moshe Z. Papa 39
*Description of a technique using balloon occlusive catheters to minimize bleeding during hepatic resection.*

**Review Article: Contemporary Management of Penile Squamous Cell Carcinoma**
Bin K. Kroon, Simon Horenblas, and Omgo E. Nieweg 43
*During the last two decades, the management of penile carcinoma has improved due to laser ablation, better knowledge of risks for metastases, the introduction of modified lymphadenectomy, and sentinel node biopsy. The focus of this review will be on the management of clinically negative regional lymph nodes in patients with penile SCC.*

## Volume 89, Number 2, February 1, 2005

**Guest Editorial: Lymph Node Staging Surgery and Breast Cancer: Potholes in the Fast Lane From More to Less**
Frederick L. Moffat, Jr. 53

**Guest Editorial: Decreasing Role of Lymphatic System Surgery in Surgical Oncology**
Charu Taneja and Blake Cady 61

**Clinical Outcome of Esophageal Cancer Patients With History of Gastrectomy**
Hiroshi Wada, Yuichiro Doki, Kiyonori Nishioka, Osamu Ishikawa, Toshiyuki Kabuto, Masahiko Yano, Morito Monden, and Shingi Imaoka 67
*Among 948 thoracic esophageal cancer patients who underwent curative surgery, 72 (7.6%) had a history of gastrectomy. Esophagectomy after gastrectomy was complicated but tolerable, and long-term survival of these patients was superior to that without a history of gastrectomy.*

**The Role of Liquid-Based Cytology in the Investigation of Breast Lesions Using Fine-Needle Aspiration: A Cytohistopathological Evaluation**
Konstantinos Kontzoglou, Konstantinos G. Moulakakis, Petros Konofaos, Mary Kyriazi, Aspasia Kyroudes, and Petros Karakitsos 75
*Liquid-based cytology is an alternative technique in the investigation of breast lesions. A comparison is made with conventional methods.*

**Protease-Activated Receptor-2 Regulates Cell Proliferation and Enhances Cyclooxygenase-2 mRNA Expression in Human Pancreatic Cancer Cells**
Kazuhiro Yada, Kohei Shibata, Toshifumi Matsumoto, Masayuki Ohta, Shigeo Yokoyama, and Seigo Kitano 79
*We examined whether protease-activated receptor-2 (PAR-2) activation regulates cell proliferation and cyclooxygenase-2 (COX-2) expression by pancreatic cancer cells. We found that trypsin and PAR-2 agonist peptide stimulated proliferation and that exposure of cells to anti-PAR-2 neutralizing antibody before PAR-2 activation suppressed cell proliferation, and PAR-2 activation also increased COX-2 mRNA expression within 1 hr.*

**Case Report: Full-Term Gestation and Transvaginal Delivery After Wide Resection of an Abdominal Desmoid Tumor During Pregnancy**
Alan J. Durkin, Dimitris P. Korkolis, Osama Al-Saif, and Emmanuel E. Zervos 86

**How I Do It: Tikhoff–Linberg Procedure and Chest Wall Resection for Recurrent Sarcoma of the Shoulder Girdle Involving the Chest Wall**
Gisella Sandy, Jaimie Shores, and Mark Reeves 91

**How I Do It: Laparoscopic Resection of a Huge Intraluminal Gastric Submucosal Tumor Located in the Anterior Wall: Eversion Method**
Woo Jin Hyung, Joon Seok Lim, Jae Ho Cheong, Junuk Kim, Seung Ho Choi, and Sung Hoon Noh 95

**How I Do It: Right Colectomy With Isoperistaltic Side-to-Side Stapled Ileocolic Anastomosis**
Mallika Tewari and Hari S. Shukla 99

**How I Do It: Simple Technique of Securing Intraoral Skin Grafts**
Sajid S. Qureshi, Devendra Chaukar, and Anil K. Dcruz 102

## Volume 89, Number 3, March 1, 2005

**Endocrine Surgery: Our Current Understanding of the Treatment and the Controversies Within This Diverse Group of Tumors**
Janice L. Pasieka, Guest Editor 105

**Follicular Thyroid Lesions, Elements That Affect Both Diagnosis and Prognosis**
Martha A. Zeiger and Alan P.B. Dackiw 108

**Role of $^{131}$I in the Treatment of Well Differentiated Thyroid Cancer**
Derek T. Woodrum and Paul G. Gauger 114

**Medullary Thyroid Carcinoma: Including MEN 2A and MEN 2B Syndromes**
Frank J. Quayle and Jeffrey F. Moley 122

**The Surgeon's Armamentarium to the Surgical Treatment of Primary Hyperparathyroidism**
James A. Lee and William B. Inabnet III 130

**Parathyroid Carcinoma**
Elizabeth A. Mittendorf and Christopher R. McHenry 136

**Multiple Endocrine Neoplasia Type 1**
Gerard M. Doherty 143

**Prognostic Indicators for Carcinoid Neuroendocrine Tumors of the Gastrointestinal Tract**
Otto Rorstad 151

**Management of Midgut Carcinoids**
Göran Åkerström, Per Hellman, Ola Hessman, and Liliana Osmak 161

**Surgical Treatment of Non-Functioning Pancreatic Islet Cell Tumors**
Maria A. Kouvaraki, Carmen C. Solorzano, Suzanne E. Shapiro, James C. Yao, Nancy D. Perrier, Jeffrey E. Lee, and Douglas B. Evans 170

**From Incidentaloma to Adrenocortical Carcinoma: The Surgical Management of Adrenal Tumors**
Wen T. Shen, Cord Sturgeon, and Quan-Yang Duh 186

**Pheochromocytoma and Functional Paraganglioma Syndrome: No Longer the 10% Tumor**
Elisabeth Edström Elder, Grahame Elder, and Catharina Larsson 193

**Kindred Spirits of the Endocrines: The Training of the Future Endocrine Surgeons**
Janice L. Pasieka 202

## Volume 89, Number 4, March 15, 2005

**Guest Editorial: Insurgent Micrometastases: Sleeper Cells and Harboring the Enemy**
Robert Wieder 207

**Factors Predicting Survival in Stage IV Colorectal Carcinoma Patients After Palliative Treatment: A Multivariate Analysis**
Sigmar Stelzner, Gunter Hellmich, Rainer Koch, and Klaus Ludwig 211
*The prognostic impact of fifteen potentially important factors was investigated in 186 stage IV colorectal cancer patients with unresectable metastatic disease. CEA level, metastatic load, and applied chemotherapy emerged to be universal predictors of survival, whereas performance status, ASA-class, extent of primary tumor, and primary tumor resection were only significant in subgroup analysis.*

**Survival and Intra-Hepatic Recurrences After Laparoscopic Radiofrequency of Hepatocellular Carcinoma in Patients With Liver Cirrhosis**
Roberto Santambrogio, Enrico Opocher, Mara Costa, Alessandro Cappellani, and Marco Montorsi 218
*Laparoscopic radiofrequency represents a safe and effective treatment for hepatocellular carcinomas not amenable to surgical resection, especially if the percutaneous approach to the lesion is deemed very difficult or impossible. Better protection of vital structures and a more accurate staging are major advantages of this approach: therefore, its use can be proposed in appropriately well-selected patients.*

**Commentary**
Elijah Dixon 225

**Prognostic Indicators in Locally Advanced Gastric Cancer (LAGC) Treated With Preoperative Chemotherapy and D2-Gastrectomy**
Roberto Persiani, Domenico D'Ugo, Stefano Rausei, Daniel Sermoneta, Carlo Barone, Carmelo Pozzo, Riccardo Ricci, Giuseppe La Torre, and Aurelio Picciocchi 227
*The poor prognosis of advanced gastric carcinoma has prompted investigation of novel therapeutic strategies, among them the use of neoadjuvant chemotherapy. The purpose of this study was to evaluate the prognostic impact of histopathologic response and of the known prognostic factors in a group of LAGC patients treated with neoadjuvant chemotherapy and D2-gastrectomy.*

**Commentary**
Oliver F. Bathe 237

**Favorable Outcome of Ewing Sarcoma Family Tumors to Multiagent Intensive Preoperative Chemotherapy: A Single Institution Experience**
Maria Moschovi, Georgios Trimis, Kalliopi Stefanaki, John Anastasopoulos, Vassiliki Syriopoulou, Eleutheria Koultouki, and Fotini Tzortzatou-Stathopoulou 239

**Correlation Between Histological Effects on the Main Tumors and Nodal Status After Chemoradiotherapy for Squamous Cell Carcinoma of the Esophagus**
Masahiko Yano, Takushi Yasuda, Hiroshi Miyata, Yoshiyuki Fujiwara, Shuji Takiguchi, and Morito Monden 244
*The histological effects of preoperative chemoradiotherapy on the main tumors are significantly correlated with nodal status. Most patients with grade 2 or higher response in the main tumors have only a few positive nodes. Surgery would be most beneficial for such patients.*

**Commentary**
David W. McFadden 250

**Immunoreactive Estrogen Receptor in Breast Tumor and Adjacent Tissue: Association With Clinicopathological Characteristics in Indian Population**
Vijay L. Kumar, Anurag Srivastava, Rohit Singhal, and Vijay Kumar 251
*Estrogen receptor levels show a positive correlation in tumor (ERt) and adjacent (ERa) tissues. Both ERt and ERa levels negatively correlate with tumor grade and recurrence.*

**Pre-Operative Chemoradiotherapy With Oral Tegafur-Uracil and Leucovorin for Rectal Cancer**
Ling-Wei Wang, Shung-Haur Yang, Jen-Kou Lin, Tzu-Chen Lin, Wing-Kai Chan, Wei-Shone Chen, Huann-Sheng Wang, Jeng-Kae Jiang, Rheun-Chuan Lee, A. Fen-Yau Li, Yee Chao, Kwan-Hwa Chi, and Sang-Hue Yen 256
*In this study a lower dose of oral tegafur-uracil plus leucovorin and pre-operative RT are effective and tolerable in rectal cancer.*

**Commentary**
Peter Johnstone 263

**How I Do It: Cervical Excision Using Superior Sternum Lifting Method for Large Mediastinal Parathyroid Gland**
Yoshifumi Ikeda, Gengo Tajima, Rika Miyabe, Junichi Takayama, Hiroshi Takami, and Kota Okinaga 265

**How I Do It: Intra-Arterial Bolus Octreotide Administration During Whipple Procedure in Patients With Fragile Pancreas: A Novel Technique for Safer Pancreaticojejunostomy**
Manousos M. Konstadoulakis, George M. Filippakis, Emmanuel Lagoudianakis, Pantelis T. Antonakis, Chris Dervenis, and John Bramis 268

**Letter to the Editor: Disseminated Colon Cancer With Severe Peripheral Blood Eosinophilia and Elevated Serum Levels of Interleukine-2, Interleukine-3, Interleukine-5, and GM-CSF**
George K. Anagnostopoulos, George H. Sakorafas, Panagiotis Kostopoulos, George Margantinis, Stavros Tsiakos, Evaggelos Terpos, George Pavlakis, Paul Fortun, and Dimitrios Arvanitidis 273

**Author Index to Volume 89** 276

**Subject Index to Volume 89** 278